

Description

Double shielded coaxial cable - 75 Ohm

Double shielded cable (Screening Class A+)

Coaxial Cables

CAVEL®

since 1968

Data Sheet**RP913SG**

Ø	1,13	4,75	4,90	5,30
	(Cu)	(PEG)	(Al/Pet)	(CuSn)

Standards

EN 50117-2-4

Construction data

Inner conductor of plain copper	(Cu)	Ø 1,13 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 4,75 ± 0,10	mm
Aluminum/Polyester tape longitudinally overlapped	(Al/Pet)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		72	%

Physical data

Weight of copper conductors	19,10	kg/km
Total weight of cable	28,10	kg/km
Minimum bending radius (single/repeated bending)	35/70	mm
Maximum cable pulling strength	150	N

Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Ratio		85 %	
Inner conductor resistance		18	Ohm/km
Outer conductor resistance		10,70	Ohm/km
Loop resistance		28,70	Ohm/km
Sheat Insulation voltage (spark test)		3	kV
Maximum current (I _{eff})		8	A

Structural return loss (SRL)

5 - 470 MHz	>30 dB
470 - 1000 MHz	>28 dB
1000 - 2000 MHz	>26 dB
2000 - 3000 MHz	>22 dB

Screening Attenuation (SA)	SA-Class A++
30 - 1000 MHz	>110 dB
1000 - 2000 MHz	>105 dB
2000 - 3000 MHz	>90 dB

Transfer Impedance (Z _t)	Z _t -Class A+
5 - 30 MHz	< 2,5 mOhm/m

ITALIANA CONDUTTORI s.r.l.

Viale Zanotti 90 I - 27027 Gropello Cairoli
 Tel +39-382.815150 Fax +39-0382.814212

Date

29/02/2016

Responsible

Giuseppe Guastella

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Double shielded coaxial cable - 75 Ohm

Double shielded cable (Screening Class A+)

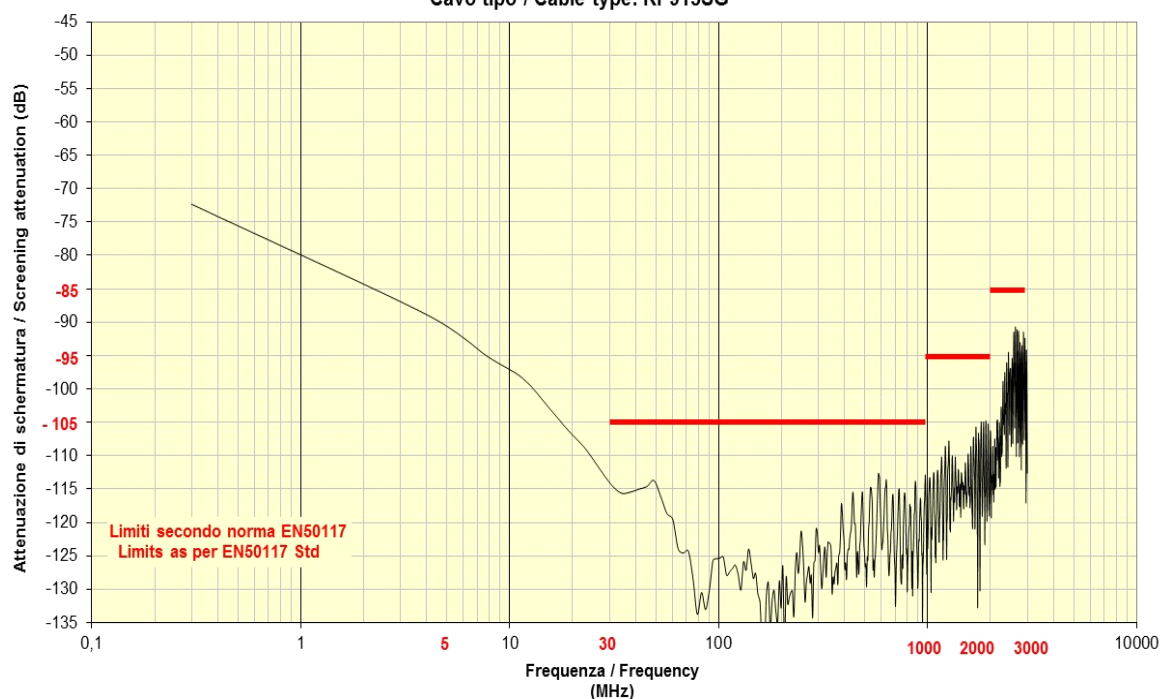
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Data Sheet**RP913SG****Attenuation (at 20°C)**

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,40	862	17,30
10	1,90	1000	18,70
30	3,00	1750	25,70
50	4,00	2150	28,80
200	8,10	2400	30,60
300	9,90	3000	34,10
470	12,60		

Attenuazione di schermatura / Screening Attenuation**Cavo classe A++ / A++ Class cable****Cavo tipo / Cable type: RP913SG****ITALIANA CONDUTTORI s.r.l.**

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**Data Sheet****RP913SG****Connectors**

BNCC703	Series BNC Compression, BNC Compression, for OUTDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm
F703	Series F Crimp, F Crimp, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
FA703	Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
FC7.0QM	Series F Compression, Quick Mount, for OUTDOOR installation
FC703	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass - 30,0 mm x 12,0 mm
FCEM7.0C	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass
FCPO5.1C	Series F Compression, Ø 5,1 Push-On, for OUTDOOR installation, nitin-plated brass
IECF5.1C	Series IEC (toolless), female, no tool, for INDOOR installation
IECF90C	Series IEC (toolless), Ø 5,1 90° female, for INDOOR installation
IECF703	Series IEC Compression, female, no tool, for OUTDOOR installation
IECM5.1C	Series IEC (toolless), male, no tool, for INDOOR installation
IECM90C	Series IEC (toolless), Ø 5,1 90° male, for INDOOR installation
IECM703	Series IEC Compression, male, for OUTDOOR installation
BNCC5.1C	Series BNC Compression, BNC Compression, for OUTDOOR installation
FC703C	Series F Compression, F Compression, for OUTDOOR installation

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